

In the Sequence Listing:

Please insert a paper copy (pages 1-7) of the Sequence Listing after the abstract in the above-captioned patent application. A computer readable form (CRF copy) of the Sequence Listing accompanies this response.

AMENDMENT

In the Specification:

Please replace paragraph [0016] on page 5 with the following rewritten paragraph:

[0016] Figure 4A shows information pertaining to bindingzyme counterparts of certain phosphatases described in Figures 3A-3D. For example, specific mutations in the corresponding native protein are shown for specific bindingzymes (see “mutant 1” and “mutant 2” columns) and expected molecular weights corresponding to bindingzyme fusion proteins with glutathione S-transferase (GST) or maltose binding protein (MBP) are shown (see “MW fusion proteins” column). Figure 4B (respectively SEQ ID NOS:1-35) shows polymerase chain reaction (PCR) primers useful for generating phosphatase coding regions and the mutagenesis oligodeoxyribonucleotides used to create the corresponding bindingzymes. All nucleotide sequences referenced and accessed by the parameters set forth in Figures 3A-3D with one or more mutations set forth in Figure 4A are incorporated herein by reference. Also incorporated herein by reference are amino acid sequences of polypeptides encoded by such nucleotide sequences.